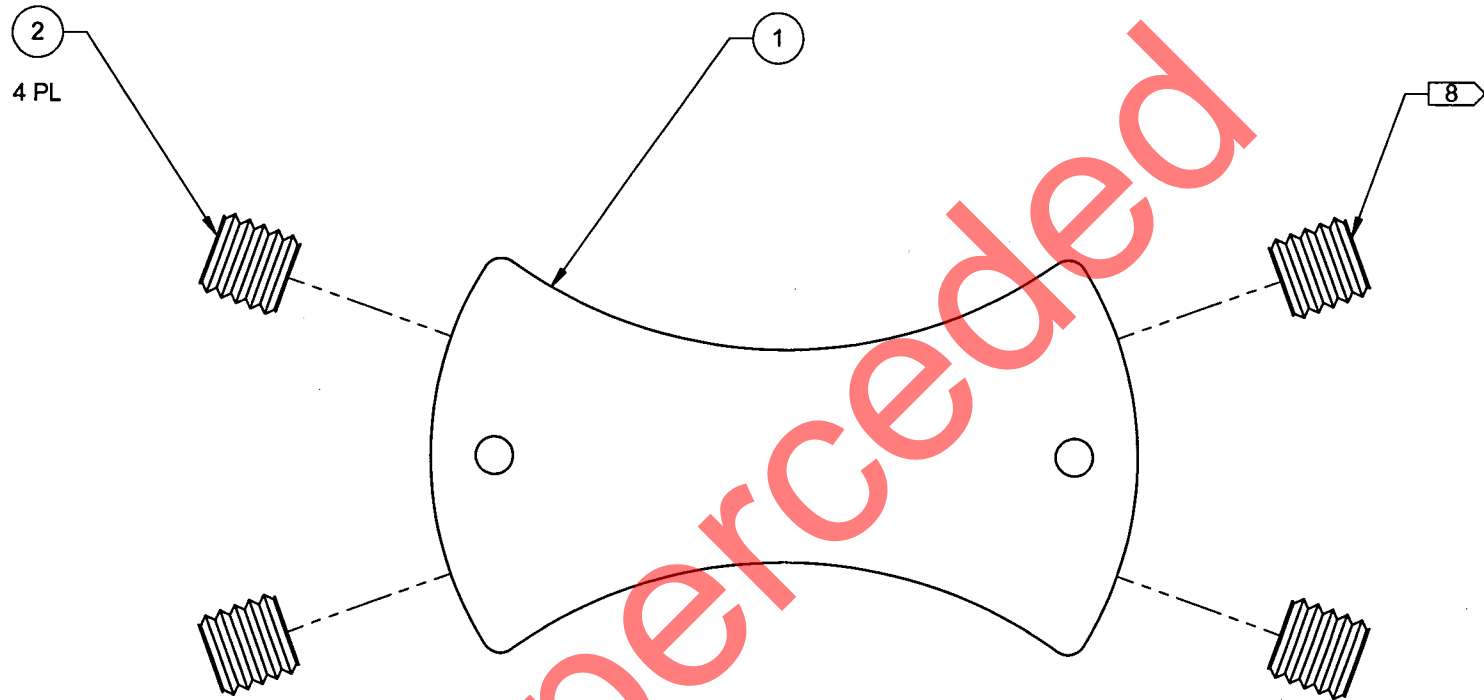


ITEM	QTY -041	P/N	DESCRIPTION
	X	D5101-041	CROSSBOLT SPACER ASSY
1	1	D5101-1	CROSSBOLT SPACER
2	4	MS21209F7-10	HELICOIL, LOCKING

B



D5101-041 CROSSBOLT SPACER ASSY

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
 - 7) WEIGHT: 0.14 lbs
 - 8) INSTALL MS21209F7-10 HELICOIL ONE FULL REVOLUTION BELOW SURFACE

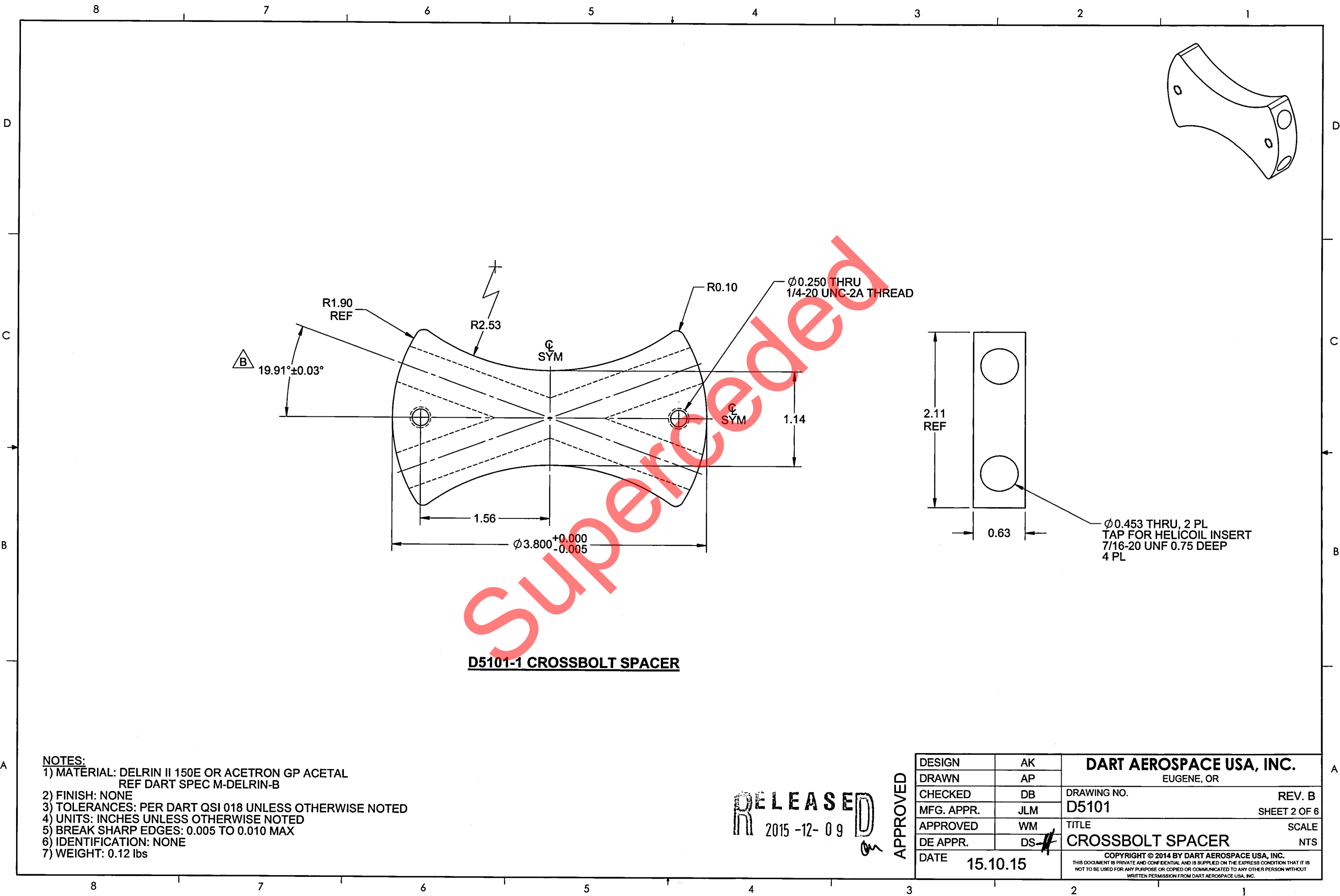
B

B

RELEASED
2015-12-09
EEN 15-651

APPROVED

B	REVISE NOTE 6 (SH 1,3 & 4) & NOTE 8 (SH 1), REVISED HELICOIL ANGLE TO 19.91° WAS 19°, ADD D5101-77-047 (SH 5&6), REMOVE 0.098 HOLES FROM -1, MS21209F7-10 WAS MS21209F7-15.	DB	15.10.15
A	NEW ISSUE	AK	14.08.07
REV.	DESCRIPTION	BY	DATE
DESIGN	AK	DART AEROSPACE USA, INC. EUGENE, OR	
DRAWN	AP		
CHECKED	DB	DRAWING NO.	REV. B
MFG. APPR.	JLM	D5101	SHEET 1 OF 6
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	CROSSBOLT SPACER	NTS
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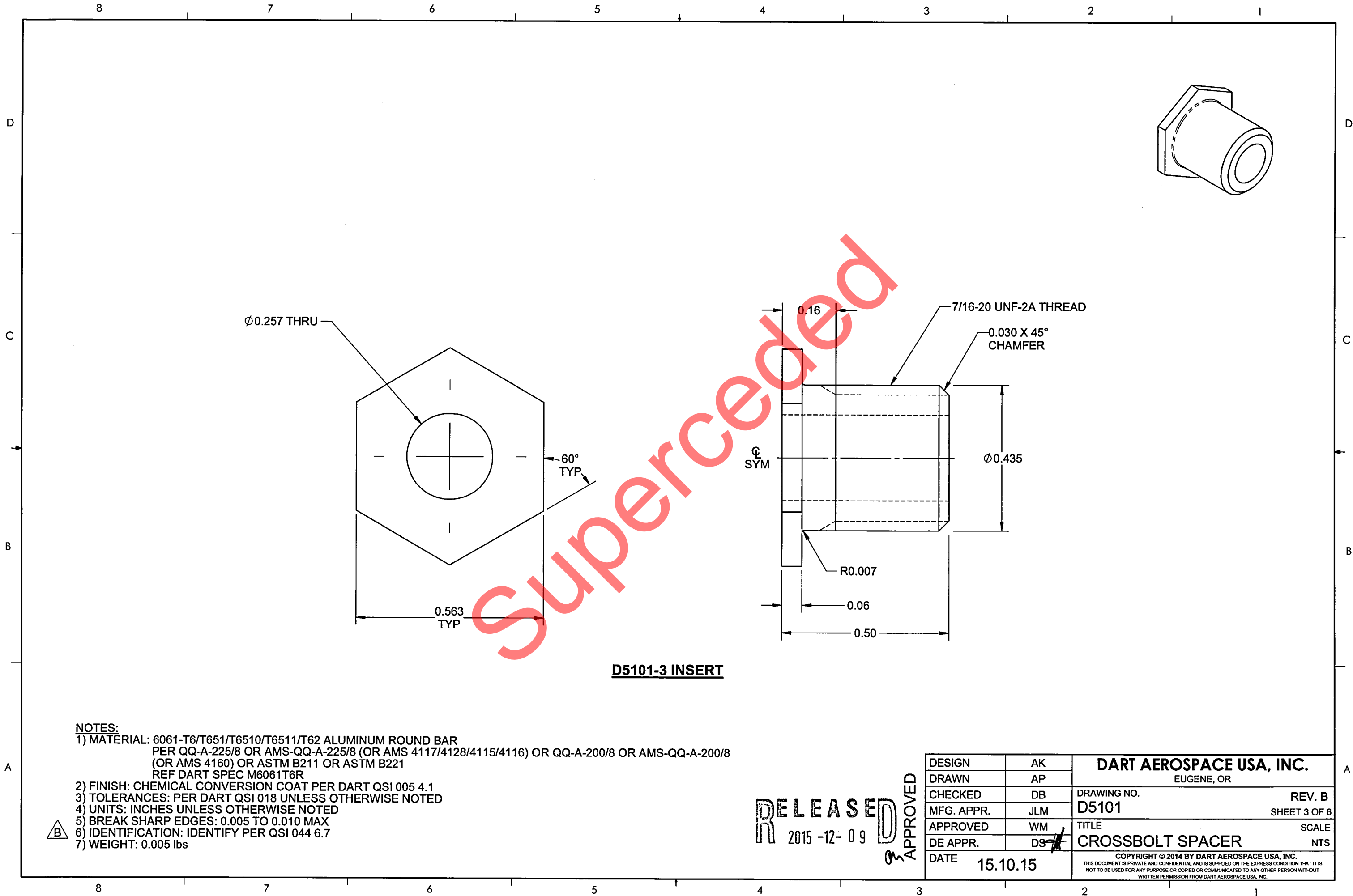
NOTES:

- 1) MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL
REF DART SPEC M-DELRIN-B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.12 lbs

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2015-12-09

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DESIGN	AK	DART AEROSPACE USA, INC. EUGENE, OR	
DRAWN	AP		
CHECKED	DB	DRAWING NO.	REV. B
MFG. APPR.	JLM	D5101	SHEET 2 OF 6
APPROVED	WM	TITLE	SCALE
DE APPR.	DS-#	CROSSBOLT SPACER	NTS
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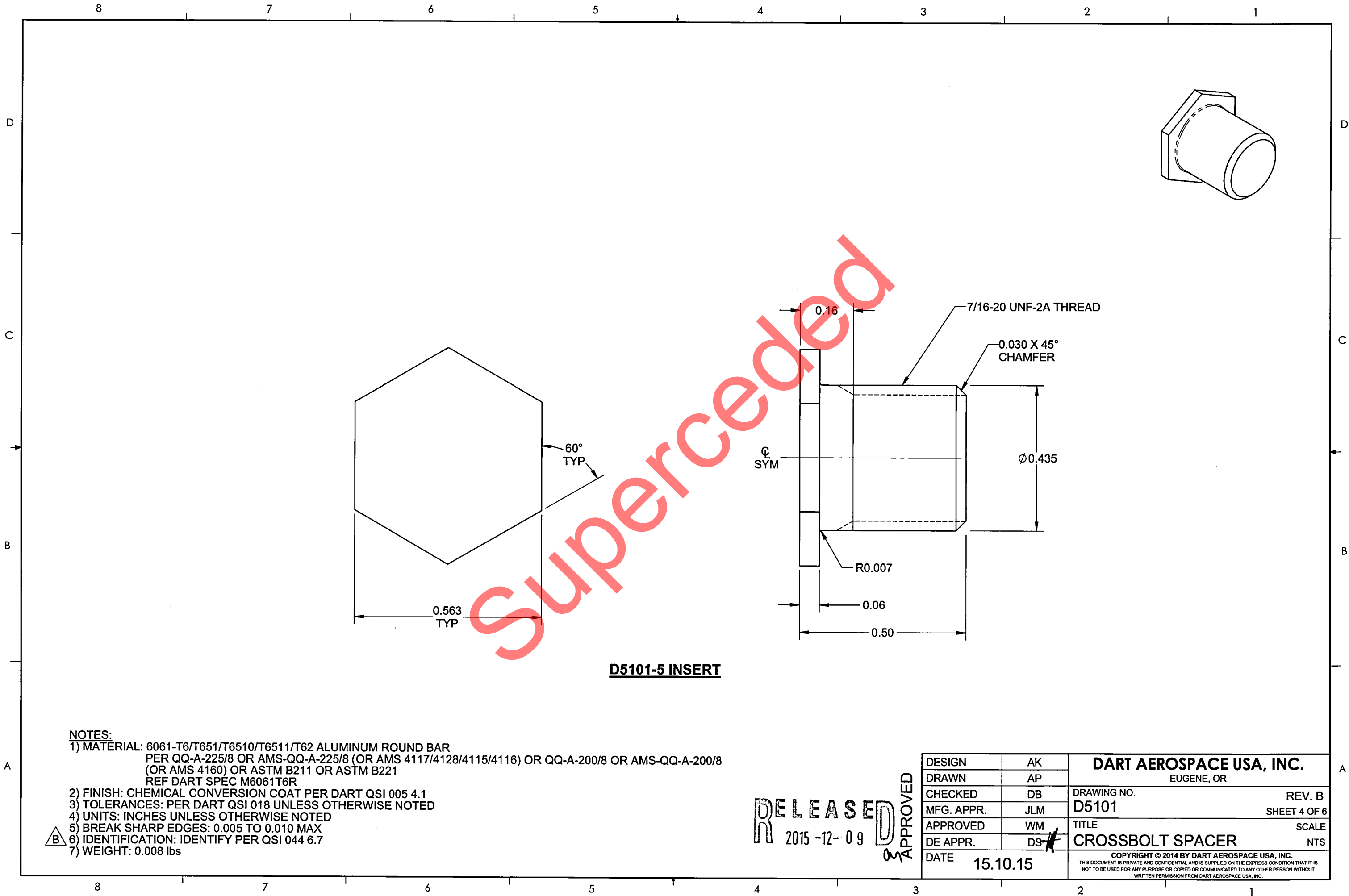
- NOTES:**
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8
(OR AMS 4160) OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6R
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
 - 7) WEIGHT: 0.005 lbs



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CHECKED	DB	DRAWING NO.	REV. B
MFG. APPR.	JLM	D5101	SHEET 3 OF 6
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	CROSSBOLT SPACER	NTS
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D5101-5 INSERT

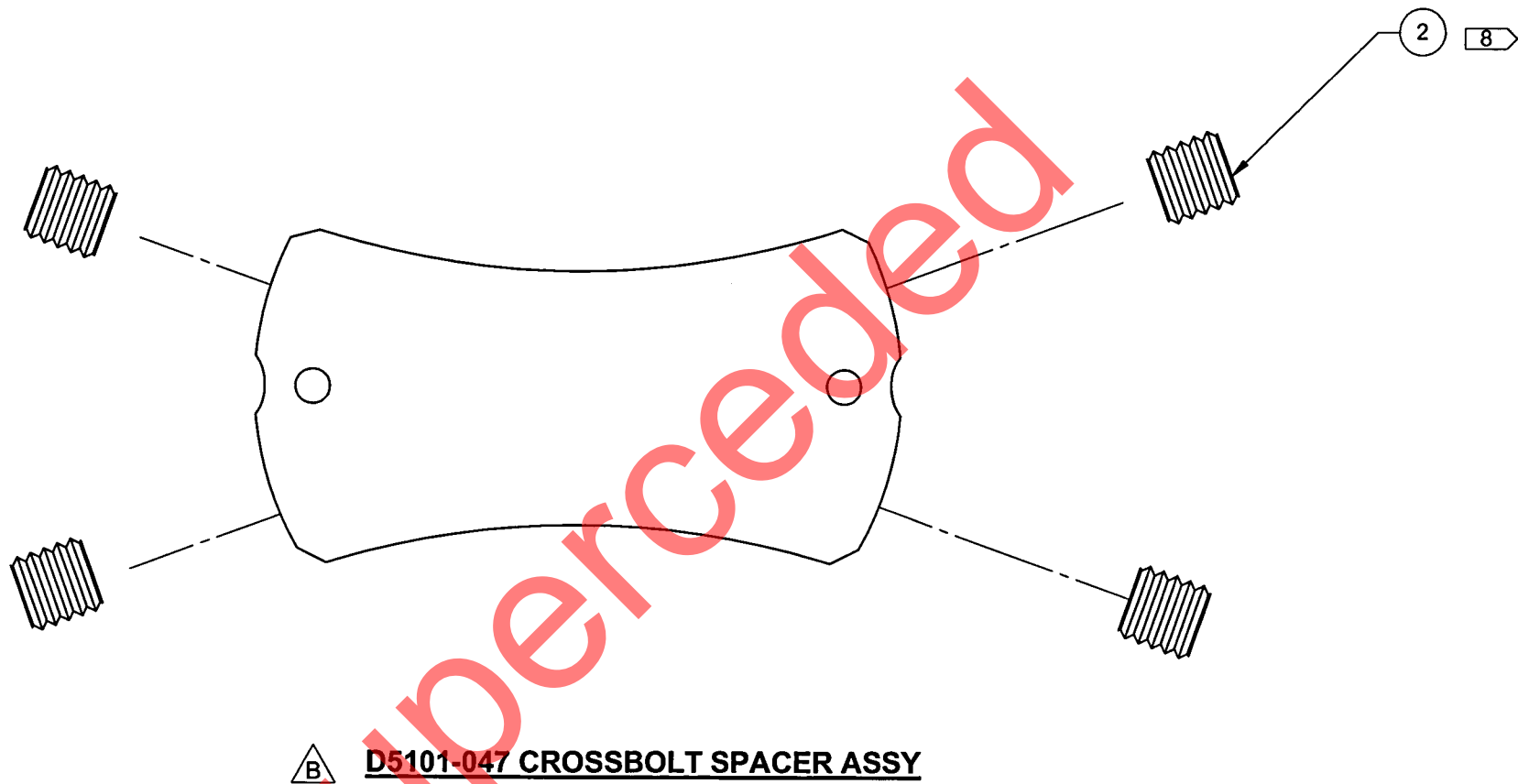
- NOTES:**
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8
(OR AMS 4160) OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6R
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
 - 7) WEIGHT: 0.008 lbs

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2015-12-09

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[Signature]

DESIGN	AK	DART AEROSPACE USA, INC. EUGENE, OR	
DRAWN	AP		
CHECKED	DB	DRAWING NO.	REV. B
MFG. APPR.	JLM	D5101	SHEET 4 OF 6
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	CROSSBOLT SPACER	NTS
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ITEM	QTY	P/N	DESCRIPTION
	-047		
	X	D5101-047	CROSSBOLT SPACER ASSY
1	1	D5101-7	CROSSBOLT SPACER
2	4	MS21209F7-10	HELICOIL, LOCKING



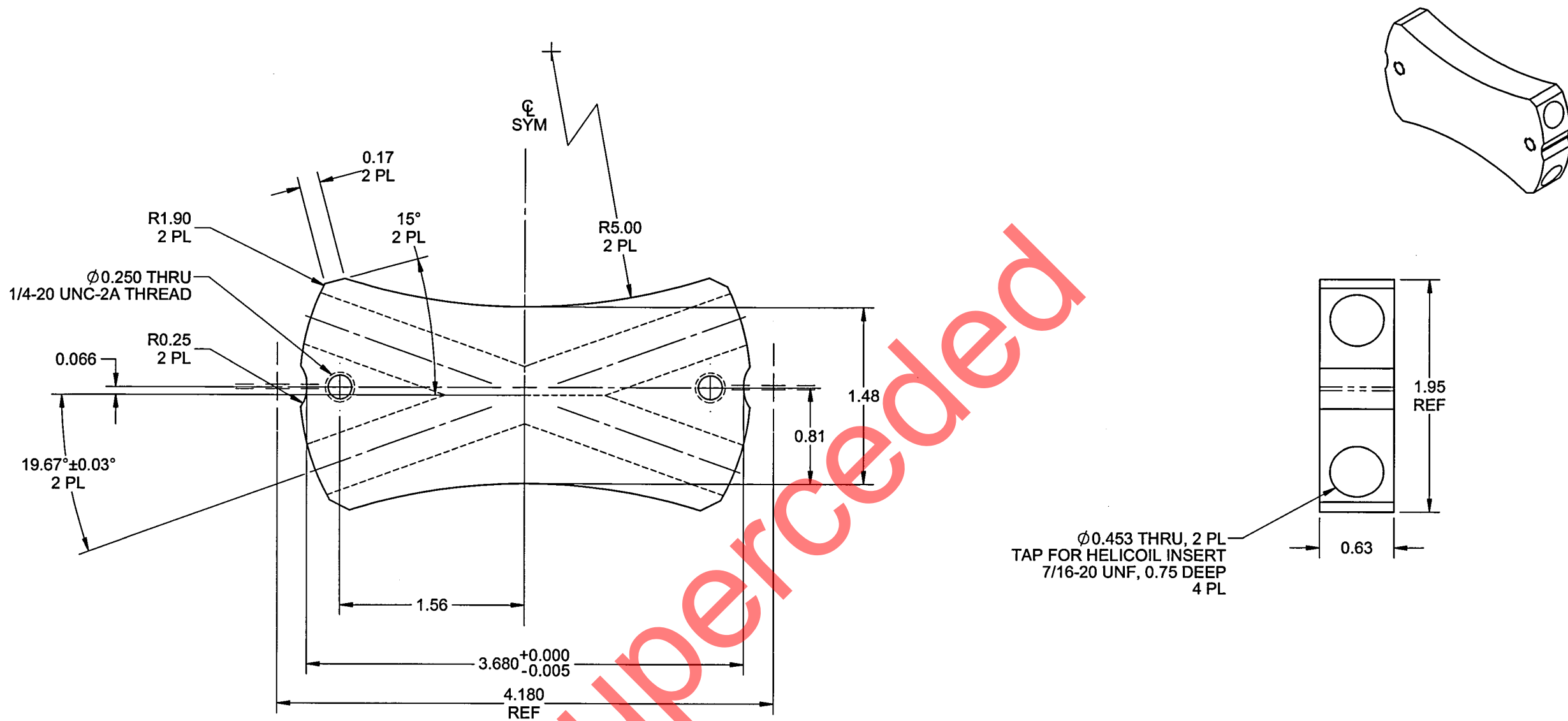
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
- 7) WEIGHT: 0.16 lbs
- 8) INSTALL MS21209F7-10 HELICOIL ONE FULL REVOLUTION BELOW ADJACENT SURFACE

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2015-12-09

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3

DESIGN	AK	DART AEROSPACE USA, INC. EUGENE, OR	
DRAWN	AP		
CHECKED	DB	DRAWING NO. D5101	REV. B
MFG. APPR.	JLM		SHEET 5 OF 6
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	CROSSBOLT SPACER	NTS
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B D5101-7 CROSSBOLT SPACER

NOTES:

- 1) MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL
REF DART SPEC M-DELRIN-B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.13 lbs
- 8) REFER TO CAD FILE D5101-7B.STEP FOR UNDIMENSIONED DETAILS

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2015-12-09

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DESIGN	AK	DART AEROSPACE USA, INC. EUGENE, OR	
DRAWN	AP		
CHECKED	DB	DRAWING NO.	REV. B
MFG. APPR.	JLM	D5101	SHEET 6 OF 6
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	CROSSBOLT SPACER	NTS
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